

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"7089661".pn.	USPAT	OR	OFF	2006/12/22 08:31
S1	39	"29"/\$.ccls. and (chang-r\$.xa. or chang-r\$.xp.) and encapsul\$	USPAT	OR	OFF	2006/12/22 08:31
S2	7	("4426773"   "5410789"   "5540870"   "5729437").PN. OR ("6722030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 08:14
S3	36	("5729437").URPN.	USPAT	OR	OFF	2006/11/01 08:15
S4	26	("2971138"   "4691225"   "5216278"   "5241133"   "5729437"   "5796170").PN. OR ("5962917").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 08:19
S5	57	("3778685"   "3916434"   "3936866"   "4079511"   "4190855"   "4218701"   "4246595"   "4280132"   "4288841"   "4300153"   "4366342"   "4459607"   "4463217"   "4477827"   "4495376"   "4496965").PN. OR ("4691225").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 08:21
S6	340	("4437141"   "4893172"   "4954877"   "4954878"   "4961105"   "4972253"   "4975765"   "5019673").PN. OR ("5216278").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 08:24

## EAST Search History

S7	303	("20010008305"   "20010014538"   "20020011654"   "20020024122"   "20020027297"   "20020140061"   "20020140068"   "20020163015"   "20030030131"   "20030073265"   "20040056277"   "20040061212"   "20040061213"   "20040063242"   "20040063246"   "20040065963"   "2596993"   "3435815"   "3734660"   "3838984"   "4054238"   "4189342"   "4258381"   "4289922"   "4301464"   "4332537"   "4417266"   "4451224"   "4530152"   "4541003"   "4646710"   "4707724"   "4727633"   "4737839"   "4756080"   "4812896"   "4862245"   "4862246"   "4907067"   "4920074"   "4935803"   "4942454"   "4987475"   "5018003"   "5029386"   "5041902"   "5057900"   "5059379"   "5065223"   "5070039"   "5087961"   "5091341"   "5096852"   "5118298"   "5122860"   "5134773"   "5151039"   "5157475"   "5157480"   "5168368"   "5172213"   "5172214"   "5175060"   "5200362"   "5200809"   "5216278"   "5218231"   "5221642"   "5250841"   "5252853"   "5258094"   "5266834"   "5273938"   "5277972"   "5278446"   "5279029"   "5281849"   "5294897"   "5327008"   "5332864"   "5335771"   "5336931"   "5343076"   "5358905"   "5365106"   "5381042"   "5391439"   "5406124"   "5410180"   "5414299"   "5417905"   "5424576"   "5428248"   "5435057"   "5444301"   "5452511"   "5454905"   "5474958"   "5484274"   "5493151"   "5508556"   "5517056"   "5521429"   "5528076"   "5534467"   "5539251"   "5543657"   "5544412"   "5545923"   "5581122"   "5592019"   "5592025"   "5594274"   "5595934"   "5604376"   "5608265"   "5608267"   "5625222"   "5633528").PN. OR ("5639990"   "5640047"   "5641997"   "5643433"   "5644169"   "5646831"   "5650663"   "5661088"   "5665996"   "5673479"   "5683806"   "5689135"   "5696666"   "5701034"   "5703407"   "5710064"   "5723899"   "5724233"   "5726493"   "5736432"   "5745984"   "5753532"   "5753977"   "5766977"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:21
12/22/06 8:34:49 AM	C:\Documents and Settings\RC Chang\My Documents\EAST\Workspaces\10820011.wsp					Page 2

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S8	9	("5216278"   "5440169"   "5448105"   "5656550"   "5661086").PN. OR ("6465876").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:43
S9	7	("4426773"   "5410789"   "5540870"   "5729437").PN. OR ("6722030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:51
S10	4	("6124636"   "6408511"   "6417026"   "6722030").PN. OR ("7094626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:52
S11	26	("5045820"   "5521406").PN. OR ("6124636").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:52
S12	24	("20010030357"   "20020053742"   "20020108778"   "3973817"   "4763409"   "4790894"   "4802277"   "5046953"   "5140745"   "5274197"   "5334857"   "5452511"   "5490324"   "5528078"   "5729437"   "6147876"   "6278178"   "6400010"   "6452112"   "6534726"   "6538212"   "6760227"   "6862190"   "7041527").PN. OR ("7129578").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:56
S13	34	("4530152"   "5200362"   "5273938"   "5355283"   "5474958"   "5620928"   "5729437"   "5937512"   "5977613").PN. OR ("6247229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 09:59
S14	169	("3689336"   "3739462").PN. OR ("4530152").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 10:01
S15	7	("4426773"   "5410789"   "5540870"   "5729437").PN. OR ("6722030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 10:49
S16	137	(alouis-s\$.in. or krueger-hans.in. or feiertag-gregor.in. or christl-ernst.in.)	USPAT	OR	OFF	2006/11/01 10:54
S17	7	("4426773"   "5410789"   "5540870"   "5729437").PN. OR ("6722030").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 10:53
S18	4	("6124636"   "6408511"   "6417026"   "6722030").PN. OR ("7094626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 10:53
S19	76	(stelzl-alouis\$.in. or krueger-hans.in. or feiertag-gregor.in. or christl-ernst.in.)	USPAT	OR	OFF	2006/11/01 10:54

## EAST Search History

S20	4	("6124636"   "6408511"   "6417026"   "6722030").PN. OR ("7094626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:20
S21	14	("3885173"   "5459368"   "5699027"   "5757078"   "5821665"   "5969461"   "5991989"   "6181015"   "6262513").PN. OR ("6417026").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:20
S22	31	("4364017"   "4734608"   "5010270"   "5243250").PN. OR ("6262513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:22
S23	17	("5327325"   "5963429"   "6144507"   "6262513"   "6320178"   "6441503"   "6552427"   "6582992"   "6589810"   "6611052"   "6638792"   "6660558"   "6661084"   "6700210"   "6740960"   "6753482").PN. OR ("6917090").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:23
S24	31	("4364017"   "4734608"   "5010270"   "5243250").PN. OR ("6262513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:28
S25	16	("3438873"   "4028646"   "4978879"   "5390401"   "5459368"   "5471722"   "5801474"   "5821665"   "5939817"   "6262513").PN. OR ("6528924").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:30
S26	7	("20030047806"   "6057222"   "6081171"   "6492194"   "6509813"   "6528924"   "6555758").PN. OR ("6992400").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:30
S27	21	("4563541"   "4568796"   "4768130"   "4855022"   "5235463"   "5262351"   "5410789"   "5418365"   "5437195"   "5618737"   "5774960"   "5908304"   "6044533").PN. OR ("6492194").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:31
S28	16	("3438873"   "4028646"   "4978879"   "5390401"   "5459368"   "5471722"   "5801474"   "5821665"   "5939817"   "6262513").PN. OR ("6528924").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:32
S29	34	("4530152"   "5200362"   "5273938"   "5355283"   "5474958"   "5620928"   "5729437"   "5937512"   "5977613").PN. OR ("6247229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:51

## EAST Search History

S30	21	("5045820"   "5252882"   "5390401"   "5431771"   "5458254"   "5459368"   "5471722"   "5508558"   "5573171"   "5640746"   "5892417"   "5998859"   "6078229"   "6117347"   "6136175"   "6154940"   "6271598").PN. OR ("6519822").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:59
S31	40	("20010010444"   "20030193269"   "5712523"   "5747857"   "5747874"   "5760522"   "5777422"   "5786738"   "5815900"   "5831369"   "5859473"   "5872331"   "5991989"   "6018211"   "6022759"   "6078608"   "6105226"   "6115592"   "6136175"   "6265807"   "6310420"   "6377137"   "6388545"   "6414415"   "6417574"   "6426583"   "6437412"   "6446316"   "6449828"   "6455980"   "6456172"   "6498422"   "6509623"   "6519822"   "6528924"   "6550664"   "6570469"   "6573121"   "6573635"   "6666371").PN. OR ("6877209").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 12:59
S32	26	("3786373"   "3938178"   "3996574"   "4343688"   "4454442"   "4845397"   "5030875"   "5237235"   "5252882"   "5281883"   "5323081"   "5446330"   "5453652"   "5459368").PN. OR ("5712523").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:01
S33	11	("3540925"   "3590471"   "3595716"   "3622382"   "3691376").PN. OR ("3938178").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:03
S34	12	("20020003459"   "5058800"   "5459368"   "5699027"   "5712523"   "5821665"   "5991989"   "6131257"   "6246013"   "6321444"   "6329739"   "6369490").PN. OR ("6543109").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:04
S35	22	("3943389"   "4342012"   "4603275"   "4752709"   "5446330"   "5712523"   "5920142"   "5991989"   "5998907"   "6049155"   "6121859"   "6236141"   "6310425").PN. OR ("6426583").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:05

## EAST Search History

S36	13	("4163072"   "5215801"   "5227219"   "5260913"   "5390401"   "5712523"   "5900581"   "5998907"   "6236141"   "6281436"   "6310421"   "6426583").PN. OR ("6663943").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:05
S37	10	("5336931"   "5428188"   "5535101").PN. OR ("5900581").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:06
S38	42	("3254282"   "3429981"   "3441813"   "3496427"   "3566208"   "3762939"   "3778685"   "3821611"   "3911178"   "3946427"   "4017495").PN. OR ("4163072").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:08
S39	24	("4047129"   "4291285"   "4480148"   "4628146"   "4699682"   "4845397"   "4952832"   "5162822").PN. OR ("5390401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:10
S40	26	("3786373"   "3938178"   "3996574"   "4343688"   "4454442"   "4845397"   "5030875"   "5237235"   "5252882"   "5281883"   "5323081"   "5446330"   "5453652"   "5459368").PN. OR ("5712523").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:12
S41	10	("5336931"   "5428188"   "5535101").PN. OR ("5900581").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:12
S42	17	("4086696"   "4699682"   "5702775"   "5705964"   "5821665"   "5831369"   "5892417"   "5920142"   "5939817"   "5969461"   "6078123"   "6094988").PN. OR ("6310421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:13
S43	10	("5217922"   "5406682"   "5604667"   "5623293"   "6140743"   "6229249"   "6262513"   "6310421"   "6369487").PN. OR ("6784598").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:15
S44	17	("4086696"   "4699682"   "5702775"   "5705964"   "5821665"   "5831369"   "5892417"   "5920142"   "5939817"   "5969461"   "6078123"   "6094988").PN. OR ("6310421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:18

## EAST Search History

S45	6	("5900581"   "6262513"   "6329739"   "6446316"   "6628043"   "6663943").PN. OR ("6914367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:19
S46	18	("4586110"   "4901203"   "5382929"   "5585687"   "5699027"   "5712523").PN. OR ("5875099").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:20
S47	11	("4218724"   "4716498"   "4723196"   "4771365"   "4811165"   "4823235").PN. OR ("4901203").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:22
S48	13	("4163072"   "5215801"   "5227219"   "5260913"   "5390401"   "5712523"   "5900581"   "5998907"   "6236141"   "6281436"   "6310421"   "6426583").PN. OR ("6663943").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:33
S49	24	("4047129"   "4291285"   "4480148"   "4628146"   "4699682"   "4845397"   "4952832"   "5162822").PN. OR ("5390401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:36
S50	24	("3512254"   "3689784"   "3694674"   "3872331"   "3885173").PN. OR ("4047129").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:39
S51	25	("3634789"   "4260964"   "4550296"   "4679249"   "4742571").PN. OR ("5045820").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:43
S52	21	("4563541"   "4568796"   "4768130"   "4855022"   "5235463"   "5262351"   "5410789"   "5418365"   "5437195"   "5618737"   "5774960"   "5908304"   "6044533").PN. OR ("6492194").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:47
S53	20	("3185761"   "3228091"   "3416348"   "3550766"   "3650232"   "3735214"   "4089575"   "4147889"   "4224637"   "4463217").PN. OR ("4568796").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:49
S54	46	("3918148"   "4545610"   "4561011"   "4612083"   "4740700"   "5049523"   "5071787").PN. OR ("5262351").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:50

## EAST Search History

S55	16	("4983533"   "5104820"   "5235672"   "5362986"   "5397747").PN. OR ("5908304").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/01 13:53
S56	10	("5217922"   "5406682"   "5604667"   "5623293"   "6140743"   "6229249"   "6262513"   "6310421"   "6369487").PN. OR ("6784598").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 06:05
S57	31	("4364017"   "4734608"   "5010270"   "5243250").PN. OR ("6262513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 06:07
S58	6	("5900581"   "6262513"   "6329739"   "6446316"   "6628043"   "6663943").PN. OR ("6914367").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 06:12
S59	10	("5336931"   "5428188"   "5535101").PN. OR ("5900581").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 06:13
S60	125	("5136366").PN. OR ("5336931").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/13 06:15
S61	3	("20010009277" "5439849" "6492194" "6722030").PN.	USPAT	OR	OFF	2006/11/14 10:26
S62	23	("4563541"   "4568796"   "4768130"   "4855022"   "5235463"   "5262351"   "5410789"   "5418365"   "5437195"   "5618737"   "5774960"   "5908304"   "6044533").PN. OR ("6492194").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:36
S63	8	("20030109077"   "5523641"   "5699027"   "6154940"   "6287894"   "6492194"   "6649446"   "6815869").PN. OR ("7045385").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:37
S64	7	("20030047806"   "6057222"   "6081171"   "6492194"   "6509813"   "6528924"   "6555758").PN. OR ("6992400").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:38
S65	16	("3996602"   "4017340"   "4040874"   "4278784"   "4604144"   "4869755"   "5013691"   "5208467"   "5215801").PN. OR ("5439849").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:40



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S66	34	("4530152"   "5200362"   "5273938"   "5355283"   "5474958"   "5620928"   "5729437"   "5937512"   "5977613").PN. OR ("6247229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 10:43
S67	24	("4047129"   "4291285"   "4480148"   "4628146"   "4699682"   "4845397"   "4952832"   "5162822").PN. OR ("5390401").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 12:53
S68	1	("2003/0109077").URPN.	USPAT	OR	OFF	2006/11/14 12:57
S69	8	("20030109077"   "5523641"   "5699027"   "6154940"   "6287894"   "6492194"   "6649446"   "6815869").PN. OR ("7045385").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 12:57
S70	8	("4737742"   "4864470"   "5205032"   "5252882"   "5281883").PN. OR ("5523641").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/14 12:57
S71	4	("6124636"   "6408511"   "6417026"   "6722030").PN. OR ("7094626").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 05:55
S72	26	("5045820"   "5521406").PN. OR ("6124636").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 05:56
S73	4	("20020070400"   "20030011070"   "6124636"   "6370013").PN. OR ("6914322").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 07:53
S74	1	"6,228,676".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/15 07:53
S75	1	"3,956,811".pn.	USPAT	OR	OFF	2006/11/15 08:55
S76	2	("5280192" "5259110").pn.	USPAT	OR	OFF	2006/11/15 08:55
S77	1	("2003/0109077").URPN.	USPAT	OR	OFF	2006/12/21 10:18
S78	40	"29"/\$.ccls. and (chang-r\$.xa. or chang-r\$.xp.) and encapsul\$	USPAT	OR	OFF	2006/12/21 10:19
S79	36	("4530152"   "5200362"   "5273938"   "5355283"   "5474958"   "5620928"   "5729437"   "5937512"   "5977613").PN. OR ("6247229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:20

## EAST Search History

S80	15	("20020024127"   "5942794"   "6081029"   "6175150"   "6198171"   "6201294"   "6204554"   "6208020"   "6208023"   "6247229"   "6281568"   "6399423"   "6437429"   "6521987"   "6713849").PN. OR ("6967396").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:21
S81	36	("4530152"   "5200362"   "5273938"   "5355283"   "5474958"   "5620928"   "5729437"   "5937512"   "5977613").PN. OR ("6247229").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:35
S82	4	("5986885"   "6247229").PN. OR ("6417576").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:43
S83	38	("4075632"   "4722765"   "4788163"   "4808673"   "4830988"   "4863517"   "4874550"   "4926182"   "5042971"   "5194698"   "5197184"   "5218759"   "5426850"   "5463229"   "5621412"   "5649296"   "5677568").PN. OR ("5937512").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:45
S84	62	("20020031869"   "4530152"   "4649418"   "4674175"   "5200362"   "5216278"   "5241133"   "5291061"   "5474958"   "5612513"   "5620928"   "5662262"   "5700981"   "5776798"   "5815372"   "5880904"   "5894108"   "5937512"   "5976912"   "5981314"   "5990545"   "5998860"   "6001671"   "6031278"   "6060778"   "6087202"   "6110755"   "6172419"   "6304306"   "6309943"   "RE36613").PN. OR ("6624005").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/21 10:47